

200000219

THE UNITED STATES OF AMERICA

<u>TO ALL TO WHOM THESE; PRESENTS; SHAME, COME;</u>

Rijk Zwaan Zandteelt en Zandhandel B.A.

MICCORS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT **VARIETY PROTECTION UNDER THE LAW.**

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OF ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC **THE VARIETY OF VIABLE** BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW , THE INO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR TING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT THE PLANT VARIETY PROTECTION ACT. (84 STAT, 1542, AS AMENDED, 7 U.S.C. 2321 ET SEO.)

LETTUCE

'Cherokee'

In Testimonn Morreof, I have hereunto set my hand and caused the seal of the Plant Unriety Protection Office to be affixed at the City of Washington, D.C. this nineteenth day of September, in the year two thousand and five.

Plant Variety Protection Office Agricultural Marketing Servic

REPRODUCE LOCALLY, Include form number and of	date on all reproductions		PROVED - OMB NO. 0581-005				
U.S. DEPARTMENT C	OF AGRICULTURE	The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a).					
AGRICULTURAL MAF							
SCIENCE DIVISION PLANT VA	RIETY PROTECTION OFFICE	Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421) Information is held confidential					
APPLICATION FOR PLANT VARIE	TY PROTECTION CERTICATE	until certificate is issued (7 U.S.C. 2426).					
(Instructions and information collection			1				
1. NAME OF APPLICANT(S) (as it is to appear on	the Certificate)	2. TEMPORARY DESIGNATION	3. VARIETY NAME				
Rijk Zwaan Zaadteelt en Zaadhandel B.V.		OR EXPERIMENTAL NUMBER	CHEROKEE				
hijk Zwaan Zaadteen en Zaadnander B.V.			One no kee				
4. ADDRESS (Street and No., or R.F.D. No., City, State	e and ZIP Code, and Country)	5. TELEPHONE (include area code)	FOR OFFICIAL USE ONLY				
		. 21 174 522200	PVPO®NUMBER				
Burgemeester Crezeelaan 40 2678 KX DE LIER, The Netherlands		+ 31 174 532300 2 0 ()				
2070 IIX DE EIEN, THO HOMONANA	•	G. W.	historia de la compania de la compa				
		6. FAX (include area code)	IE/DATE				
		+ 31 174 513730					
			Ilm and arron				
·.		·	N' TAIL				
			g × ×				
		· .					
7. GENUS AND SPECIES NAME	8. FAMILY NAME (Botanical)	<u> </u>	FELING AND				
V. C. V. V. V. V. C. V. V. V. V. C. V.			E EXAMINATION FEE				
Lactuca sativa L.	Compositae		7.100				
	* .		19° 24' 30' 22' -				
9. CROP KIND NAME (Common name)			F DATE				
3. OHOT KIND WAVE (Common name)							
Lettuce	•		$\mathbf{q} N \omega \mathbf{q} + \beta \mathcal{O} \mathcal{O} ($				
10. IF THE APPLICANT NAMED IS NOT A "F (Common name)	PERSON", GIVE FORM OF ORGANIZATION	N (corporation, partnership, association, etc.	: CERTIFICATION FEE:				
Toomand, name,			# (0 82). <u>00</u>				
Rijk Zwaan Zaadteelt en Zaadhandel B.V.	Corporation		D Company				
11. IF INCORPORATED, GIVE STATE OF INC	ORPORATION	12. DATE OF INCORPORATION	DATE				
			Qugust 15,2009				
Corporation		The Netherlands 08-18-1953					
13. NAME AND ADDRESS OF APPLICANT R	EPRESENTATIVES, IF ANY, TO SERVE II	N THIS APPLICATION AND	14. TELEPHONE (include area				
RECEIVE ALL PAPERS		•	code)				
			15. FAX (include area code)				
16. CHECK APPROPRIATE BOX FOR EACH A	ATTACHMENT SUBMITTED (Follow instruction	ons on reversel					
a. Exhibit A. Origin and Breeding History o		, .					
b. Exhibit B. Statement of Distinctness							
c. Exhibit C. Objective Description of the							
d. Exhibit D. Additional Description of the e. Exhibit E. Statement of the Basis of the	· · · · · · · · · · · · · · · · · · ·	4					
f. Voucher Sample (2.500 viable untreated seeds	• •	ue culture will be deposited and maintained in	a public repository)				
g. ■ Filing and Examination Fee (\$2,450) made pa							
17. DOES THE APPLICANT SPECIFY THAT S	EED OF THIS VARIETY BE SOLD BY VA	RIETY NAME ONLY, AS A CLASS	OF CERTIFIED SEED (See Section				
83(a) of the Plant Variety Protection Act)? YES (If "yes", answer items 18 and 19 below)	■ NO (If "no", go to item 20)						
18. DOES THE APPLICANT SPECIFY THAT S		19. IF "YES" TO ITEM 18, WHIC	H CLASSES OF PRODUCTION				
TO NUMBER OF GENERATIONS?		BEYOND BREEDER SEED?					
☐ YES ☐ NO		☐ FOUNDATION ☐ REGIST					
20. HAS THE VARIETY OR A HYBRID PRODU	JCED FROM THE VARIETY BEEN RELEA	SED, USED, OFFERED FOR SALE,	OR MARKETED IN THE U.S.				
OR OTHER COUNTRIES? YES (if "yes", give names of countries and dates)	I ET NO						
Cherokee has been sold for the first time i		vet been sold in the U.S.A.					
 The applicant(s) declare that a viable sample of basic s- applicable, or for a tuber propagated variety a tissue or 			nce with such regulations as may be				
			tions uniform and stable as conducts				
The undersigned applicant(s) Is(are) the owner(s) of thi Section 41, and is entitled to protection under the pro-			tuict, minorin, and stable as required in				
Applicant(s) is(are) informed that false representation h	we are econordize protection and result in penalties						
SIGNATURE OF APPLICANT (Owner(s))		SIGNATURE OF APPLICANT 10wn	er(s))				
14	Mi						
1/.//		BLABAT" (O.					
NAME (Please print or type)		NAME (Please print or type)					
M. Zwaan							
	ATE	CAPACITY OR TITLE	DATE				
	A A						
Managing Director 18	3 April 2000	verse for instructions and informat	ion collection burden statement				
Sula (II II)a. Yhi Provinie editione are to he da	Serrovedi See ret	iarea tor instructions and intormat	oo covecoon nuraen statementi				

EXHIBIT A. ORIGIN AND BREEDING HISTORY OF THE VARIETY

VARIETY: CHEROKEE

Genealogy/Details of stages of selection and multiplication:

Cherokee was developed by making a cross between Sesam (Rijk Zwaan) and Carioca (S & G Seeds) in 1990. A selected F3-plant from this cross was crossed with the variety Camaro (Rijk Zwaan). A combined line and pedigree selection resulted in 1998 in a uniform F7-line based on one F6-plant. All crossing and breeding was performed in the Netherlands and France. The line obtained the introduction number 81-36 RZ, which was changed into Cherokee during the European registration procedure.

Selection was based on:

- 1. Field evaluation:
 - Homogeneity
 - Plant size
 - Head size
 - Colour
 - · Head weight
 - Tipburn resistance
 - Bolting resistance
- 2. Laboratory tests on downy mildew and root aphid resistance, and LMV tolerance

Statement of uniformity and stability

Cherokee was stable and uniform in variety tests and in seed multiplications carried out since 1998. Official tests of NAKTuinbouw (EC Variety List) and Plant Research International (Community Plant Variety Right_ confirmed the uniformity and stability of Cherokee.

In seed multiplications we are finding practically no off-types.

* See correspondeme of 5/18/05 JRM 7/12/05*



EXHIBIT B. STATEMENT OF DISTINCTNESS

VARIETY: CHEROKEE

Identify the varieties and state all differences objectively:

Cherokee is a red-leaved lettuce in between batavia and cutting lettuce. It is characterised by very red, glossy leaves. Cherokee is resistant to the official Bremia races NL1, NL2, NL3, NL4, NL5, NL6, NL7, NL10, NL11, NL12, NL13, NL14, NL15, NL16, B1-19 and B1-21.

Difference from other lettuce varieties from the database:

Denomination of standard variety	Characteristic in which the similar variety is different	State of expression of similar variety	State of expression of candidate variety
Salad Bowl	downy mildew resistance (Bremia lactucae	susceptible	resistant to NL1, NL2, NL3, NL4, NL5, NL6, NL7, NL10, NL11, L12, NL13, NL14, NL15, NL16, DI-19 , BI-21
Mendoza	blistering	3 strong	2 moderate
Mendoza	bolting	quick	slow

The number of generations over which uniformity and stability has been observed is: 2. Uniformity and stability have been shown since 1998.

Exhibit B

Cherokee is most similar to Mendoza.

Trial 1

location: Langeweg, the Netherlands

sowing: 09-03-1999 planting: 15-04-1999 harvest: 10-06-1999

variety: Cherokee(n=10) Mendoza(n=10) days to bolting: 124.4(sd=1.1) 112.6(sd=1.1)

Trial 2

location: Roelofarendsveen, the Netherlands

sowing: 19-03-1999 planting: 20-04-1999 harvest: 16-06-1999

variety: Cherokee(n=10) Mendoza(n=10)

days to bolting: 123.3(sd=1.1) 110.3(sd=0.5)

F-tests based on analysis of variance across both locations show that Cherokee is significantly different from Mendoza for days to bolting (F=1677; p<0.001).

Exhibit C

First it should be mentioned that in the original exhibit C the mean data for trial 2 were given.

For light and heat dormancy the remark from my email of December 8, 2004 applies (mail on lettuce appl. 200000018 Fortunas; see below). In addition I would like to ask whether these traits are only relevant to know how to treat the seed samples, or that these dormancy traits are also used to compare PVP-applications.

Bl:19 was one of the new European Bremia-strains (Van Ettekoven & Van der Arend, 1999 in: A.Lebeda & E.Kristkova (Eds.) Eucarpia Leafy Vegetables '99. Palacky University, Olomouc, Czech Republic 1999: 171-175). However, it is not available anymore for further testing (Van der Arend et al., 2003 in: Van Hintum et al. (Eds.) Eucarpia Leafy Vegetables 2003. CGN, Wageningen, the Netherlands 2003: 151) and therefore we would like to ask you to disregard the claim for Bl:19-resistance.

remark on dormancy from e-mail December 8, 2004:

'according to our experience, it is very difficult to draw a line between non-dormant and dormant lettuce varieties. Both heat and light dormancy change over time when seed is ageing, and the genetic basis for these traits is polygenic. This means that dormancy is generally measured on a continuous scale.

So my question is where to draw the line: how are light dormancy and heat dormancy defined: which percentage of seeds of which age has to germinate under dark conditions, to state the variety is non-light-dormant? which percentage of seeds of which age has to germinate at which temperature to state that they are non-heat-dormant?'

U.S. Department of Agriculture Agricultural Marketing Service Livestock and Seed Division OBJECTIVE DESCRIPTION OF VARIETY LETTUCE Lactuca sativa

			LETTUCE Lactuca S	auva				
	APPLICANT(S) n Zaadteelt en Zaadhand	el B.V.		FOR O	FFICIAL USE ONLY			
			PVPO NO	<u></u>	<u>0000219</u>			
Burgemees	(Street and No. or R.F.D. No., Cater Crezeelaan 40	City, State, and ZIP-Code)		VARIETY NAME CHEROKEE				
2678 KX The Nether			EXPERIM	MENTAL DESIGNATION				
Place numl	bers in the boxes for the	e characters which best o	describe this variety. Mea	sured data should be t	he mean of an appropriate	number (at least		
	I spaced plants. Royal Honor of the test area is:	orticultural Society or any		d may be used to deter stem Used:	mine plant colors.			
The Nether		sted check varieties page	RHS					
, , , , , , , , , , , , , , , , , , , ,	01 = Cutting/Leaf 02 = Butterhead	05 = Great Lakes Gr 06 = Vanguard Grou	oup 09 = Stem					
1 1	03 = Bibb	07 = Imperial Group	11 = OTHER: B	atavia				
2. SEED:	O4 = Cos or Romaine COLOR	08 = Eastern (Ithaca LIGHT DORM		AT DORMANCY	,,((
	1 = White(Silver Gray) 1 = Light Required 1 = Susceptible 2 = Black (Gray Brown) 2 = Light not required 2 = Not susceptible							
	3 = Brown(Amber)		·	•				
3 COTVIE	DON TO COURTH LEVE	STAGE: NOTE: Provide o	color photograph or shot	account the fourth less	f from 20 day old coodling			
3. COTTLE	DON TO FOORTH LEAF		der optimal conditions	ocopy of the fourth lea	f from 20 day old seedling			
2	SHAPE OF COTYLED	OONS: 1 = Broad 2 = In	ntermediate 3=Spatula	ate				
						·		
3	SHAPE OF FOURTH I	LEAF:	4					
			/\					
		$\langle \langle 1 \rangle \langle 1 \rangle$	111 513					
			(1) STE					
[·		. 3 4	5 6			4		
1 4	LENGTH/WIDTH INDI	EX OF FOURTH LEAF: L/V	V x 10	•				
2						<u> </u>		
	APICAL MARGIN:	1 = Entire 2 = Creanate/Gnawed	4=Moderately Dense 5=Coarsely Dentate	7 = Lobed 8 = OTHER (specify)				
4	BASAL MARGIN:	3=Finely Dentate	6 = Incised	O-OTTLE (Specify)				
2	UNDULATION:	1 = Flat	2 = Slight	3 = Medium	4 = Marked			
3	GREEN COLOR:	1 = Yellow Green 2 = Light Green	3 = Medium Green 4 = Dark Green	5 = Blue Green 6 = Silver Green	7 = Gray Green			
	ANTHOCYANIN:							
4	DISTRIBUTION:	1 = Absent	3 = Spotted	5 = OTHER (specify)				
	•	2 = Margin Only	4 = Throughout					
2	CONCENTRATION:	1 = Light	2 = Moderate	3 = Intense				
[.]	ROLLING:	1 = Absent	2 = Present					
		I - Apsell	Z — Fieseill					
1	CUPPING:	1 = Uncupped	2 = Slight	3 = Markedly				
								
1	REFLEXING:	1 = None	2 = Apical margin	3 = Lateral Margin				
·								

4. MA ⁻ NOT	TURE LI TE: Prov	AVES (observe harvest-mature ou ide color photo of harvest-n	<i>ter leaves</i>): nature leaves which a	ccurately show	s color and margin characteristic	200000219
	1	MARGIN: INCISION DEPTH: (deepest penetration of the ma	1 = Absent/Shallow		ston) 2=Moderate (Vanguard)	3 = Deep (Great Lakes 659)
	1	INDENTATION: (finest divisions of the margin)	1 = Entire (Dark Gree 2 = Shallowly Dentat	•	• •	Lakes 659) 5 = OTHER (specify)
	1	UNDULATION OF THE APICAL MARGIN:	1 = Absent/Slight (Da	ark Green Bosto	n) 2 = Moderate (Vanguard)	3 = Strong (Great Lakes 65
	6	GREEN COLOR:	1 = Very Light Green 2 = Light Green (Mind		3 = Medium Green (Great I 4 = Dark Green (Vanguard)	
	4	ANTHOCYANIN (grown a	of or below 10 °C): 1 = Absent 2 = Margin Only (Big	Boston)	3 = Spotted (Calif. Cream 4 = Throughout (Prize Hea	
	3	CONCENTRATION:		555,517	2 = Moderate (Prize Head)	3 = Intense (Ruby)
	1		1 = Small		2 = Medium	3 = Large
	3	GLOSSINESS:	1 = Dull (Vanguard)		2 = Moderate (Salinas)	3 = Glossy (Great Lakes)
	2	BLISTERING:	1 = Absent/Slight (Sal	inas)	2 = Moderate (Vanguard)	3 = Strong (Prize Head)
	2	LEAF THICKNESS:	l = Thin		2=Intermediate	3 = Thick
	1	TRICHOMES: 1	=Absent (smooth)		2 = Present (spiny)	
5. PLAN	VT (at ma] rket stage. Choose a comparison var) <i>i</i> :		
3	4	SPREAD OF FRAME LEA	.VES:	4 0	cm. Salad Bowl	(specify comparison variety)
1	5	HEAD DIAMETER (merket a	rimmed with single cap leaf	1 5	cm. <u>Salinas</u>	(specify comparison variety)
	4	1	= Flattened	<u> </u>	3 = Spherical 5 = Elongate	5 = Non-heading 6 = OTHER
	3		l =Small		2 = Medium	3 = Large
-		HEAD COUNT PER CARTO	N			
	4	6 3 HEAD WE	1 ! X	6 5	g. Salinas (specify compariso.	n variety)
	4		=Loose =Moderate	, <u> </u>	3 = Firm 4 = Very Firm	
5. BUTŢ	(bottom	of market-trimmed head):				
	3	SHAPE: 1	= Slightly Concave		2 = Flat	3 = Rounded
	3	MIDRIB: 1 =	= Flattened (Salinas)		2 = Moderately Raised	3 = Prominently Raised (Great Lakes 659)
7. CORE	(stem of	market-trimmed head): mm Diameter at base o	f Head			
	4	• 8 Ratio of head d	iameter/core diamete	<u>r</u>		
4	6	Core height from base o mm. This Variety	f head to apex:	3 9 ,	mm. <u>Salinas</u> (specify con	nparison variety)
B. BOLT	'ING (Gi	ve First Water Date) 03/1	9/1999): Note: First W	ater Date is the date	seed first receives adequate moisture	
1	2	Number of days this Variety	•		doeslequal/this/planting-trate. mergence (summer conditions):	2 0 specify comparison variety Salad Bowl
		2 BOLTING CLASS	:1=Very Slow 2= Slow		3 = Medium SΩ 4 = Rapid	5 = Very Rapid
1	7	Height of mature cm. This Variety		1 2 /	5a\a0	PAYO 4/3/2001
FORM LS	<i>(</i> S 470-1		B(OLTING cont'd.	on next page	Page 2 of 4

	5	Sprea cm. T		olter Pla riety	nt i	(at wide	est poin	it):	Γ	2	S	cm.	Sala	d Bowl	 - ^{(specif} Z	U U U Someonicon v	ariety[4]	3 700	9 01
Γ	2	BOLTE	R LEA	VES:		,	1 = 9	Straigh	ıt				2 =	Curved				<u> </u>	
	2] w	ARGIN	l:			1 = E	Intire					2 =	Dentate	•				
Γ	3] co	DLOR:				1 = L	ight 0	Gre	en			2 =	Medium G	reen		3 = Darl	RED	
la		BOLTE															- "		
	1	•	MINAI _ORES	CENCE	:		1 = 2	Absen	ıt				2 =	Present					
	2	LATI (above		SHOOTS	S		1 = /	Absen	t				2 =	Present			-	·	
	2	BAS	AL SIC	E SHO	OTS	s ·	1 = A	bsent	t				2 =	Present					
9. MATUR																			
SEASO		mplete th						eason days						CHE	CK VARII	FTY 2/			
OLAGO		17	" 0. u .]	[TOOK	1,11 01		1					<u> </u>	-01.				
Spring	-		ļ	<u> </u>															
Summe	er L	8	5				9	6		Sala	d Bowl	·····							·
Fall																			
Winter																			
Give plant	ing da	ate(s), an	d loca	tion(s):															
Spring																			<u></u>
Summer	03/	19/1999	, Roel	ofarend	sve	en, tł	ne Net	therlai	nds	<u>.</u>								· · · · · · · · · · · · · · · · · · ·	
Fall						_								· · · · · · · · · · · · · · · · · · ·					
Winter 1/ First wa		nto to bo	r. 10.0\$) EN	in oh	ank vo	. ria	tu			ranriata li	ino					<u></u>
1/ FilSt Wa	atel de		ivest.			27 17111	III CIR	SUK Va	1116	LY Hat	ne on u	ie appi	ropriate l						
10. ADAP		ON: PRIMARY	REGIO	ONS OF	ΑC)APT/	ATION	l (teste	d an	nd prove	en adapted	ŋ:	(0	= Not teste	ed 1	= Not A	dapted	2 =	Adapted)
(0	Southw	est (C	alif., Ar	iz. (deser	t)	0		Wes	t Coast		0	Northeas	t				
)	Northce	entral					0		Sout	theast			OTHER _					
		SEASON 2		ng (area	·	Erano	ce				}		2	Fall (area	France)	
		2	Sum	mer (ar	ea_	NW	Europ	е)			Winter (a	rea Spai	n)	
1		GREENI	IOUSE	<u> </u>	(1 = 0	Not te	sted	2		XH	(I).		1 = Not Ac	lapted		2	= Adapte	ed
3	3	SOIL TY	PE:			1 = M	Vinera	al .				SN		2 = Organio	;		3	= Both	
FORM LS-4	170-1							١.	1.12	4 - 1 - 1 - 1 - 1									Page 3 of 4

(9-86)

					L	0000219				
11. DISEASES A	ND ST	RESS REACTIONS (0 = Not tested; 1 = Susc	eptible	; 2 = Intermediate; 3 =	Resista	nt; 4 = Highly resistant; 5 = Tolerant):				
		VIRUS		FUNGAL/BACTERIAL						
. [0	Big Vein	1	Corky Root Rot (Pythium Root Rot)						
	1	Lettuce Mosaic	4	Downy Mildew (Rac	es see E	exhibit B)				
	0	Cucumber Mosaic	0	Powdery Mildew						
	0	Broad Bean Wilt	0	Sclerotinia Rot						
	0	Turnip Mosaic	0	Bacterial Soft Rot (P	seudom	onas spp.&others)				
	0	Beet Western Yellows	0	Botrytis (Gray Mold)						
-	0	Lett. Infectious Yellows		OTHER						
		Other Virus								
		I <u>NSECTS</u>		<u>PHY</u>	SIOLOG	ICAL/STRESS				
Γ	0	Cabbage Loopers	3	Tip Burn	0	Salt				
	1	Root Aphids	0	Heat	0	Brown Rib (Rib Discoloration, Rib Blight				
	0 Green Peach Aphid			Drought		OTHER				
L		Other Insect	0	Cold						
		POST HARVEST								
Γ	0	Pink Rib	0	Internal Rib Necrosi	s (Blacki	heart, Gray Rib, Gray Streak)				
	0	Russet Spotting	0	Brown Stain						

POST HARVEST

Pink Rib 0 Russet Spotting 0 Rusty Brown Discoloration 0

12. BIOCHEMICAL OR ELECTROPHORETIC MARKERS:

13. COMMENTS:

SUGGESTED CHECK VARIETIES

	<u>TYPE</u>	<u>CHECK VARIETY</u>
1)	CUTTING/LEAF	SALAD BOWL
2)	BUTTERHEAD	DARK GREEN BOSTON
3)	BIBB	BIBB
4)	COS, OR ROMAINE	PARRIS ISLAND
5)	GREAT LAKES GROUP	GREAT LAKES 659-700
6)	VANGUARD GROUP	VANGUARD
7)	IMPERIAL GROUP	VIVA
8)	EASTERN GROUP	ITHACA
9)	STEM	CELTUCE
10)	LATIN	MATCHLESS

FORM LS-470-1 (9-86)

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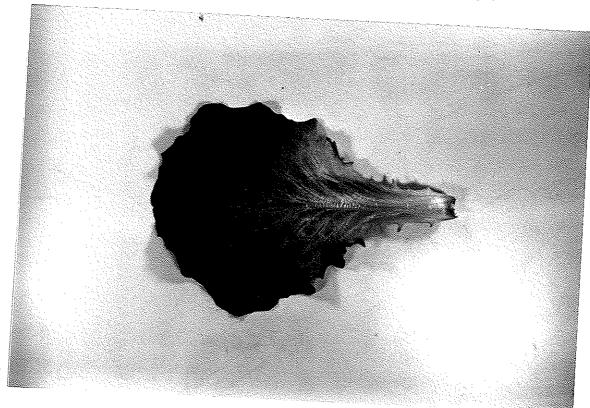


EXHIBIT D. ADDITIONAL DESCRIPTION OF THE VARIETY

VARIETY: CHEROKEE

Cherokee is a red-leaved lettuce in between batavia and cutting lettuce. It is characterised by very red, glossy leaves. Cherokee can be grown for whole head production and can be used for processing. Cherokee is resistant to the official Bremia races NL1, NL2, NL3, NL4, NL5, NL6, NL7, NL10, NL11, NL12, NL13, NL14, NL15, NL16, Bl-19, Bl-21 and the Californian pathotypes Ca I, Ca-IIA, Ca-IIB, Ca-IV, Ca V.

Cherokee can be grown in plantings from Spring until Fall. Cherokee is less suited for production under cold or extremely hot conditions.



Stage R2 Charguages



Stran RR Charles

REPRODUCE LOCALLY. Include form number and date on all reproductions.	FORM APPROVED - OMB NO	D. 0581-0055 EXPIRES: 12-31-96
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY DIVISION - PLANT VARIETY PROTECTION OFFICE		e in accordance with the Privacy Act of erwork Reduction Act (PRA) of 1995
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP		determine if a plant variety protection . 2421]. Information is held confidentia 2426).
1. NAME OF APPLICANT(S) Rijk Zwaan Zaadteelt en Zaadhandel B.V.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER	3. VARIETY NAME
		CHEROKEE
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)	5. TELEPHONE (include area code)	6, FAX (include area code)
Burgemeester Crezeelaan 40	+ 31 174 532300	+ 31 174 513730
2678 KX DE LIER, The Netherlands	7. PVPO NUMBER	
·	20000	0 2 1 9
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate		X YES NO
9. Is the applicant (individual or company) a U.S. national or U.S. based compan ない If no, give name of country <u>New Conds</u>		YES 🔀 NO
10. Is the applicant the original breeder? If no, please answer the following:		X YES NO
 a. If original rights to variety were owned by individual(s): ls (are) the original breeder(s) a U.S. national(s)? If no, give name of 	country	
 b. If original rights to variety were owned by a company: ls the original breeder(s) U.S. based company? If no, give name of company 	ountry	YES NO
11. Additional explantion on ownership (If needed, use reverse for extra space):		, , , , , , , , , , , , , , , , , , ,
PLEASE NOTE:		
'lant variety protection can be afforded only to owners (not licensees) who meet	one of the following criteria:	•
1. If the rights to the variety are owned by the original breeder, that person must of a country which affords similar protection to nationals of the U.S. for the sa		JPOV member country, or national
If the rights to the variety are owned by the company which employed the originationals of a UPOV member country, or owned by nationals of a country which genus and species.		
3. If the applicant is an owner who is not the original breeder, both the original br	reeder and the applicant must mee	t one of the above criteria.
The original breeder may be the individual or company who directed final bree definition.	ding. See Section 41(a)(2) of th	e Plant Variety Protection Act for
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